

The Department of the Army -- Job Opportunity Announcement

Job No.: GEU301031

Opening Date: April 3, 2003

Closing Date: April 24, 2003

Position Title (Pay Plan-Series): Civil Engineer (GS-0810)

Grade: 11, 12

Full Performance Grade: 12

Comments:

THIS IS A DELEGATED EXAMINING ANNOUNCEMENT OPEN TO ALL U.S. CITIZENS

TENURE: THIS IS A PERMANENT POSITION

NOTES: (1) Career/career conditional employees selected under this announcement may be required to serve a one year probationary period in accordance with 5 CFR 315.801(a)(1). (2) You must follow the procedures stated in the "How to Apply" section to receive consideration under this announcement. (3) You must include the announcement number on all documents submitted.

Incumbent is required to obtain and maintain a Non-Critical Sensitive Clearance.

Incumbent is required to obtain and maintain a valid State Driver's License.

Work outside the office involves exposure to varying weather conditions, rough, uneven surfaces, climbing, stooping, bending, and entering confined spaces, requiring the use of hard hats and appropriate safety gear.

Pre-appointment physical is required.

Travel is required approximately 5 percent of the time.

Salary: (includes a Special Salary Rate and 11.48% locality)

GS-11: \$48,708 - \$62,287 Per Annum

GS-12: \$57,421 - \$74,648 Per Annum

THIS VACANCY ANNOUNCEMENT IS NOT COVERED UNDER RESUMIX PROCEDURES. IN ORDER TO BE CONSIDERED FOR THIS POSITION YOU MUST FOLLOW THE DIRECTIONS UNDER HOW TO APPLY AND SUBMIT THE PROPER FORMS.

YOU MUST SUBMIT A SEPARATE APPLICATION AND ATTACHMENTS FOR EVERY JOB ANNOUNCEMENT YOU ARE APPLYING FOR. PLEASE MAKE SURE YOUR RESUME/APPLICATION CONTAINS THE JOB ANNOUNCEMENT NUMBER AND YOUR SOCIAL SECURITY NUMBER.

FILING DEADLINE: APPLICATIONS MUST BE RECEIVED BY THE CLOSING DATE. LATE OR INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.

Number of vacancies to be filled by this announcement - One.

Salary: See Comments above

Region: Northeast

Organization:

U.S. Army Engineer District, Baltimore
Washington Aqueduct Division
Planning and Engineering Branch
Civil/Mechanical Section

Duty Station: Washington, DC

Area of Consideration:

- Opened to all applicants with or without Civil Service Status.

Duties:

Serves as technical expert on civil/structural engineering design work when problems of an undetermined or unprecedented nature must be solved. Reviews Civil Design work performed by contractors or lower grade employees for projects located at the Washington Aqueduct Division (WAD). Assignments typically involve the design and layout of buildings, plant and equipment involving multiphase structural features for proposed water supply projects. Is assigned the civil/structural planning and design functions for both Dalecarlia and McMillan Water Treatment Plants. Performs complete engineering studies related to the design of proposed facilities or alteration of existing plant facilities. Reviews plans, correspondence, survey data and other related information. Analyzes data gathered and prepares reports outlining design recommendations made on the basis of the material. Directs the preparation of preliminary layout schemes. Directs the study of material take-offs, estimates of cost and other factors. Completes the design analyses and determines the most plausible and practical plan both structurally and economically. Proposed facilities are multiphase construction projects. Structures involved are of a wide variety of materials and uses. Materials consist of masonry, reinforced concrete, light and heavy gauge steel, etc. When structural problems of undetermined or unprecedented nature are encountered, makes investigative searches and studies of approaches applied and results obtained in similar situations. Prepares Design Memoranda for Washington Aqueduct projects, with a structural/civil engineering emphasis, to be forwarded to CENAD and HQ USACE for

approval. Applies a general knowledge of the physical sciences and mathematics underlying engineering and a knowledge and theory of structure. Directs and coordinates the work of lower graded engineers and technicians of the Section in the preparation of planning and design studies for future construction projects for water treatment plant facilities such as chemical buildings, maintenance buildings, etc., having special structural requirements. Reviews structural designs and drawings prepared by architect-engineers for conformance with Corps of Engineers criteria, adherence to the directives, and compliance with the requirements of WAD. Where deviations or questionable points are noted, and arrives at a satisfactory conclusion, explaining and interpreting the terms of standard specifications and of the directive. Attends design conferences with representatives and architect-engineers, contributing advice and opinions on the structural design phase. Makes field inspections prior and during construction to verify site conditions, modify construction details due to changed conditions or, revised plans. Confers with contractors in regard to construction problems. Investigates existing structures for failures, which develop during or after construction to determine the reasons for the failure. Develops adequate solutions and prepares reports for recommended changes. Conducts after-construction inspection actions. Prepares modification specifications for WAD Maintenance and Plant Operations Branch projects. Determines all requirements for construction contracts on the modifications. Sees and is responsible through to completion of project.

Qualification Requirements:
BASIC REQUIREMENTS:

The primary method of qualifying for professional engineering positions is through successful completion of a 4-year professional engineering curriculum (not engineering technology) leading to a bachelors or higher degree in engineering in an accredited college or university. To be acceptable, the curriculum must:

- Be in a school of engineering with at least one curriculum accredited by the Accreditation Board for Engineering and Technology (ABET) as a professional engineering curriculum; or
- Include differential and integral calculus and courses (more advanced than first year science or engineering) in five of the seven areas of engineering science or physics:
 - (1) statics, dynamics;
 - (2) strength of materials (stress-strain relationships);
 - (3) fluid mechanics, hydraulics;
 - (4) thermodynamics;
 - (5) electrical fields and circuits;
 - (6) nature and properties of materials (relating particle and aggregate structure of properties);
 - (7) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics.

2. Alternative Method of Meeting Basic Requirements:

If you do not meet the basic engineering requirements above, you may qualify if you have an equivalent combination of experience and education that meets the requirements listed below.

Candidates may substitute for the basic requirement of at least 4 years of college-level education, training and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering and (2) a good understanding, both theoretical and practical of the branches of engineering. This knowledge and understanding must be equivalent to that provided by a full 4-year professional engineering curriculum with respect to (a) knowledge, skills, and abilities required of the position to be filled; and (b) the ability to develop and progress in a career as a professional engineer in the specialty field. The adequacy of such background must be demonstrated by one of the following:

Professional Registration: Current registration as a professional engineer in any state, District of Columbia, Puerto Rico or Guam. Absent other means of qualifying for engineering positions, those candidates who achieved such registration by means other than a written test (for example, state grandfather or eminence provisions) are eligible only for positions that are within or closely related to the specialty field of the registration. For example, a candidate who attains registration through a State Board eminence provision as manufacturing engineer typically would be eligible for manufacturing engineering positions.

Written Test: Evidence of having successfully passed the Engineer-in-Training (EIT) examination or the written test required for professional registration which is administered by the Boards of Engineering Examiners in the various states, District of Columbia, Puerto Rico and Guam.

Candidates who pass the EIT examination and complete all the requirements for bachelors degree in engineering technology (BET) that: (a) included 60 semester hours of courses in physical, mathematical and engineering sciences, and in engineering as listed in the basic requirements; or (b) was in an accredited college or in a program accredited by the Accreditation Board of Engineering and Technology (ABET) may be eligible for certain engineering positions at GS-05. Eligibility is limited to positions that are within or closely related to the specialty field of engineering technology program.

Positions covered by the minimum education requirement, which involve highly technical research, development or similar functions requiring an advanced level of competence in basic science are excluded.

Because of the diversity in kind and quality of BET programs, graduates of the BET programs are required to complete at least one year of additional education or highly technical work experience of such nature as to provide reasonable assurance of the possession of the knowledge, skills, and abilities required for

professional engineering competence. The adequacy of this background must be demonstrated by passing the EIT examination.

Specified Academic Courses: Successful completion in an accredited college or university of at least 60 semester hours of courses acceptable for credit towards a B.S. in professional engineering, in the physical, mathematical, and engineering sciences. These must have included the courses specified in the basic requirements above. The courses must also be fully acceptable towards meeting the requirements of a professional engineering curriculum as described in the basic requirements.

Related Curriculum: Successful completion in an accredited college of a full 4-year or longer related curriculum leading to a bachelors degree in engineer technology or in an appropriate professional field, for example, physics, chemistry, architecture, computer science (not computer programming), mathematics, hydrology, or geology, may be accepted in lieu of a degree in engineering provided you have at least one year of professional engineering experience which was acquired under professional engineering supervision and guidance.

IN ADDITION TO MEETING THE BASIC REQUIREMENTS, APPLICANTS MUST POSSESS THE FOLLOWING:

GS-11: 3 years of progressively higher-level directly related graduate education leading to a Ph.D. degree or Ph.D. or equivalent doctoral degree.

-OR-

One year of specialized experience equivalent to at least the GS-09 grade level.

GS-12: One year of specialized experience equivalent to at least the GS-11 grade level.

Specialized experience is experience that has equipped the applicant with the particular knowledge, skills and abilities (KSAs) to perform successfully the duties of the position and that are typically in or related to the design and layout of buildings, plant and equipment involving multiphase structural features for proposed water supply projects.

Foreign Education: Foreign education must be evaluated for U.S. equivalency in order to be rated eligible for this position. Please include this information either in your resume or by furnishing a copy of your certificate in your application package.

Selective Placement Factors/Knowledge Skills and Abilities (KSAs):

Candidates will be rated on their possession of the following knowledge, skills, and abilities. Candidates must address each of the KSAs specifically on plain bond paper and submit it along with the other application materials. Information may include experience, education, training and awards as it relates to each KSA. Since you will be rated based on your possession of the KSAs listed in this announcement and a ranking

determination made which affects your chances for employment, it would benefit you to provide your responses to the KSAs on a separate sheet of paper and submit it with your application.

1. Ability to conduct studies and make economic analysis.
2. Ability to communicate in writing.
3. Ability to prepare, read, analyze and interpret civil/structural engineering design, drawings and specifications.
4. Ability to recognize and solve civil/structural problems and conflicts.
5. Ability to communicate orally (cite briefings, presentations, etc.)

Standard/Other Requirements/Instructions on How to Apply:

1. Failure to provide all of the required information as stated in the announcement may result in an ineligible rating or may affect the overall rating.
2. This position is designated noncritical sensitive, as defined in DoD 5200.2-R, therefore, requires that a personnel security investigation be adjudicated for security eligibility on a preappointment basis. This requirement may take up to 90 days or longer to process.
3. Management has the prerogative to select at any grade level for which this position has been announced.
4. This recruitment provides promotion opportunity to the target grade of the position without further competition when selectee is eligible and recommended by management.
5. Temporary Duty (TDY) is required.
6. Permanent change of station (PCS) funds will not be authorized.
7. Selection for this position is contingent upon proof of U.S. citizenship.
8. Direct Deposit is REQUIRED: As a condition of employment, candidates appointed, competitively promoted or reassigned are required to enroll and participate in Direct Deposit/Electronic Funds Transfer within 60 days following the effective date of that action.
9. Application/Resume deadline: Application/Resume must be received by the Closing Date of the Vacancy Announcement.
10. BASIS OF RATING: Basic eligibility will be determined by assessing the candidate's background against the appropriate OPM Qualifications Standard to include any

selective placement factors. Candidates will be rated based on an evaluation of the extent and quality of their experience, education, and training as provided in their Resume. Candidates who meet the Basic Qualification Requirements will be further evaluated on the skills they possess or the extent and quality of skills for Delegating Examining that are directly related to the job duties as described in this vacancy announcement.

HOW TO APPLY:

Submit the following documents to the address listed under Where To Submit Package:

1. OF612, Optional Application for Federal Employment (this form can be found at www.opm.gov/forms/word/of612.doc, or a Resume. The resume may be typed or legibly handwritten and must contain, at a minimum: Announcement Number; Name; Address; Social Security Number; Position Title and Grade of the job you are applying for; your paid/unpaid work experience including job title, duties and accomplishments, employers name and address, supervisors name and phone number, starting and ending dates (Month and Year), hours worked per week and grade/salary; education.
2. Separate sheet(s) of bond paper describing how your experience, education, training, awards relate to the Knowledge, Skills, and Abilities (KSAs) listed in this announcement. Since you will be rated based on your possession of the KSAs listed in this announcement and a ranking determination made which affects your chances for employment, it would benefit you to submit your responses to the KSAs along with your application. Since failure to do so would result in the examiner having less pertinent job-related information in which to evaluate you, a lower rating could result.
3. College Transcripts. (NOTE: IF EDUCATION IS BEING USED IN LIEU OF EXPERIENCE, OR TO MEET THE BASIC REQUIREMENTS DESCRIBED IN THE INDIVIDUAL OCCUPATIONAL REQUIREMENTS, A COPY OF YOUR TRANSCRIPTS SHOULD BE PROVIDED).
4. Applicants claiming veterans' preference must CLEARLY do so in their resume/application. Applicants claiming 5-point preference must include specific, detailed information in their resume/application which supports their claim for veterans' preference, e.g., actual dates of service, type of duty (active, reservist), campaign badges or medals awarded, rank at time of retirement, etc. If information needed to verify entitlement to veterans preference is not provided in the resume/application, preference will be denied. Applicants claiming 10-point preference MUST submit a DD Form 214 AND supporting documentation, e.g., Letter from VA dated within one year. Failure to submit supporting documentation will result in loss of consideration for 10-point preference. If veterans preference is awarded and the applicant selected, a DD Form 214 (Member-4 copy) is required at the time of appointment to verify preference. Failure to provide the DD Form 214 at the time of appointment will result in the offer of employment being withdrawn.

NOTE FOR MILITARY SPOUSES: Spouse preference eligibles must provide a copy of sponsors Permanent Change of Station (PCS) orders AND clearly state in their resume that they are requesting Military Spouse Preference.

SPECIAL PRIORITY CONSIDERATION UNDER THE INTERAGENCY CAREER TRANSITION ASSISTANCE PLAN (ICTAP). If you are a displaced Federal employee, you may be entitled to receive special priority consideration under ICTAP. (NOTE: Eligibility expires (a) one year after separation; (b) one year after an agency certifies that an employees compensation (OWCP) has been terminated and the individual can not be placed at the agency; (c) one year after an employees disability annuity has been terminated or after being notified that his/her annuity will be terminated; (d) when an employee accepts a position without time limitations; (e) when an employee no longer meets eligibility requirements; or (f) within a specific agency, upon declination of offer to that employee by that agency.)

To receive consideration, you must:

1. Be a current or former career or career-conditional (Tenure group I or II) competitive service employee who has been displaced.
2. Be applying for a position at or below the grade level of the position from which you have been separated. The position must not have a greater promotion potential than the position from which you were separated.
3. Have a current (or last) performance rating of record that is fully successful or better. This must be submitted with your application package. (This requirement does not apply to candidates who are eligible due to compensable injury or disability retirement.)
4. Occupy or be displaced from a position in the same local commuting area of the position for which you are requesting priority consideration.
5. Have your application received (unless otherwise specified by the announcement) by the closing date and meet all of the application criteria (e.g., submit all required documentation, etc).
6. Submit a copy of the appropriate documentation with your application package, such as a RIF separation notice, a letter from OPM or your agency documenting your priority consideration rights.
7. Be rated well-qualified. A well qualified employee is defined as meeting all of the minimum qualification standards and eligibility requirements as well as possessing knowledge, skills and abilities that clearly exceed the minimum qualification requirements for the position. To be rated well qualified, ICTAP applicants must attain an eligibility rating on this case examination of 80 points or higher, not including points for veterans preference.

NOTE: If you wish to be considered through this program, please mark (ICTAP) clearly on your application/resume.

Where to Submit Package:

Please send all required application materials to:

Northeast CPOC
314 Johnson Street
Attention: DEU
Aberdeen Proving Ground, MD 21005-5283

Applications may be faxed to 410 306-1284.

You may call 410 306-0031 to inquire about announcements/applications.

NOTE: In order to receive consideration, your application must contain all of the applicable information/documents listed under How To Apply. Applications received through the use of postage paid government envelopes are in violation of 18 USC 1719 and will not be considered.

If you would like to be considered, then you are required to submit all necessary materials applicable to this vacancy announcement.

THE DEPARTMENT OF THE ARMY IS AN EQUAL OPPORTUNITY EMPLOYER.

All qualified applicants will receive appropriate consideration without regard to non-merit factors such as race, color, religion, sex, national origin, marital status except where specifically authorized by law, age, politics, disability, or sexual orientation which do not relate to successful performance of the duties of this position. Reasonable accommodation to individuals with disabilities will be provided upon request.

SELECTION FOR THIS POSITION IS SUBJECT TO RESTRICTIONS RESULTING FROM DEPARTMENT OF DEFENSE REFERRAL SYSTEM FOR DISPLACED EMPLOYEES.